

# MATERIAL SAFETY DATA SHEET

PRODUCT NAME: HI BUILD FLEX EPOXY CLEAR  
PRODUCT CODE: 473-13

HMIS CODES: H F R P  
2\* 3 0 G

## ===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: SIKKENS AEROSPACE

ADDRESS: 20846 SOUTH NORMANDIE AVENUE, TORRANCE, CA 90502

EMERGENCY PHONE: 213-320-6800

INFORMATION PHONE: 213-320-6800

DATE PREPARED : 07-21-87

NAME OF PREPARER : BRENT BERGMAN

REASON REVISED : ORIGINAL

## ===== SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION =====

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE		WEIGHT PERCENT
		ACHIH TLV	OSHA PELV	NIOSH PELV	mm Hg @	TEMP	
n-Butyl alcohol	71-63-3	100 ppm	50 ppm		4.3	68F	< 5.0%
Xylene	1330-20-7	100 ppm	100 ppm		21.0	100F	< 5.0%
Methyl ethyl ketone	78-93-3	200 ppm	200 ppm		75.0	68F	5
n-Butyl Acetate	123-86-4	150 ppm	150 ppm		8.0	68F	5

## ===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: 175 to 281 Deg F

SPECIFIC GRAVITY (H2O=1): 1.0

VAPOR DENSITY: HEAVIER THAN AIR

EVAPORATION RATE: SLOWER THAN ETHER

V.O.C.: 1.57 LB/GL ( 188 GR/LT)

SOLUBILITY IN WATER: INSOLUBLE

APPEARANCE AND ODOR: Clear liquid Fruity odor

## ===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: 23 Deg F

METHOD USED: T.O.C.

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.0% UPPER: 11.5%

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

### SPECIAL FIREFIGHTING PROCEDURES

Full emergency equipment with self contained breathing apparatus should be worn. During a fire, irritating and highly toxic gases (see reactivity data) and smoke may be present from decomposition/combustion products.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Isolate from heat, electrical equipment, sparks and open flame. Closed container may explode when exposed to extreme heat. Solvent vapors may be heavier than air. Under conditions of stagnant air, vapors may build up and travel along the ground to an ignition source which may result in a flash back to the source of the vapors.

## ===== SECTION V - REACTIVITY DATA =====

**STABILITY: STABLE  
CONDITIONS TO AVOID**

Storage at temperatures above maximum.

**INCOMPATIBILITY (MATERIALS TO AVOID)**

Contamination with strong acids or bases.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

Fumes produced when heated to decomposition may include: carbon monoxide, carbon dioxide.

**HAZARDOUS POLYMERIZATION: WILL NOT OCCUR**

## ===== SECTION VI - HEALTH HAZARD DATA =====

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

Repeated or prolonged exposure may cause irritation to respiratory tract. Heating may generate vapors that could cause headaches, nausea, dizziness and respiratory irritation if inhaled.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

Contains materials that may cause moderate skin injury (reddening and swelling) Can cause allergic skin reaction in certain individuals May cause severe eye injury -- damage reversible.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

No specific information available. Contains materials that may be slightly toxic.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

No specific information available. Contains materials that may be slightly toxic

**HEALTH HAZARDS (ACUTE AND CHRONIC)**

No specific information available. Contains solvents which are reported to be associated with central nervous system damage after repeated and prolonged exposure. Contains solvents which are reported to cause liver and kidney damage on repeated overexposure.

**CARCINOGENICITY:** NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

Chronic lung disease and dermatologic conditions.

**EMERGENCY AND FIRST AID PROCEDURES**

**EYE CONTACT:** Flush with clean, lukewarm water (low pressure) for at least 15 minutes., occasionally lifting eye lids. Obtain medical attention.

**SKIN CONTACT:** Remove contaminated clothing. Wash affected areas thoroughly with soap and water. Wash contaminated clothing thoroughly before reuse.

**INHALATION:** Move to an area free from risk of further exposure. Administer oxygen or artificial respiration as needed. Obtain medical attention immediately.

**INGESTION:** Induce vomiting and obtain medical attention immediately.

## ===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Evacuate all non-essential personnel. Remove all sources of ignition. Ventilate the area. Dike or impound spilled material and control further spillage if feasible. Cover spill with sawdust, vermiculite, Fuller's earth or other absorbant.

**WASTE DISPOSAL METHOD**

Waste material should be incinerated or disposed of in accordance with Federal, State and local environment control regulations. Empty containers must be handled with care due to product residue. Decontaminate containers prior to disposal. DO NOT HEAT OR CUT EMPTY CONTAINER WITH ELECTRIC OR GAS TORCH.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Avoid contamination of skin. Do not apply to hot surfaces or use in areas where exposed to electric sparks. Keep away from fire and open flame. Ground containers when transferring from one to another.

**OTHER PRECAUTIONS**

## ===== SECTION VIII - CONTROL MEASURES =====

**RESPIRATORY PROTECTION**

Wear a properly fitted NIOSH/MSHA approved respirator at all times during exposure to vapors/mists. Where ventilation is inadequate, use full-face air supplied respirator mask.

**VENTILATION**

Explosion proof mechanical exhaust as required to maintain vapor concentration below lower flammable limit (see Section IV). Not recommended as sole means to control workplace exposure.

**PROTECTIVE GLOVES**

Impervious (Neoprene) gloves where contact in handling or usage may occur

**EYE PROTECTION**

Chemical splash goggles.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**

Where contact can occur, a safety shower and eye wash facility should be available.

**WORK/HYGIENIC PRACTICES**

After contact with material, change clothing and thoroughly wash hands before eating, drinking or smoking.

## ===== SECTION IX - DISCLAIMER =====

**DISCLAIMER**

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